

King County DNRP Water Quality Index

STATION **BB470** WATER YEAR **2018**

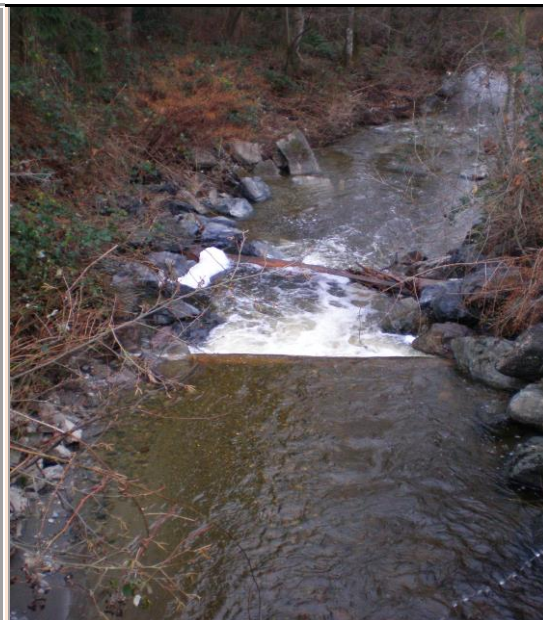
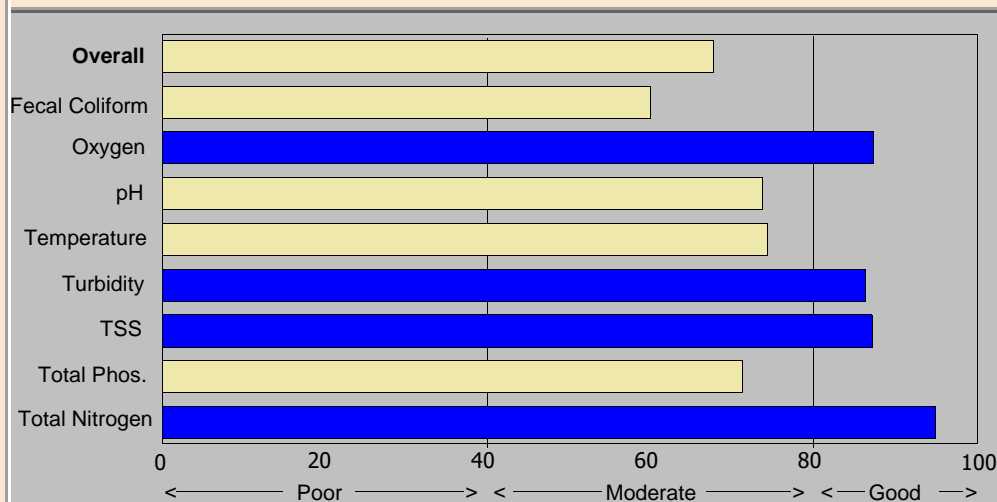
GAUGE # 56d Swamp Creek at Carter Rd

Overall Index 68

King County has monitored water quality in Swamp Creek at two locations. Sampling at station BB470 (is located at Carter Road) began in 1999 but was discontinued in 2008 when budget cutbacks reduced the breadth of King County's water quality monitoring program. Regular monitoring resumed in February 2014. The Swamp Creek basin encompasses 15,000 acres and includes portions of the communities of Lynnwood, Everett, Bothell, and Kenmore. The creek originates south of Everett and flows 10.9 miles before draining into the Sammamish River. The creek is on the Washington State Department of Ecology's 303(d) list, Category 5, for violations of dissolved oxygen and temperature standards. Swamp Creek is also listed for bioassessment scores that indicate that biological integrity is degraded. And the creek has a Category 4a listing as part of the Swamp Creek TMDL for fecal coliform bacteria.

Annual Water Quality Index Scores

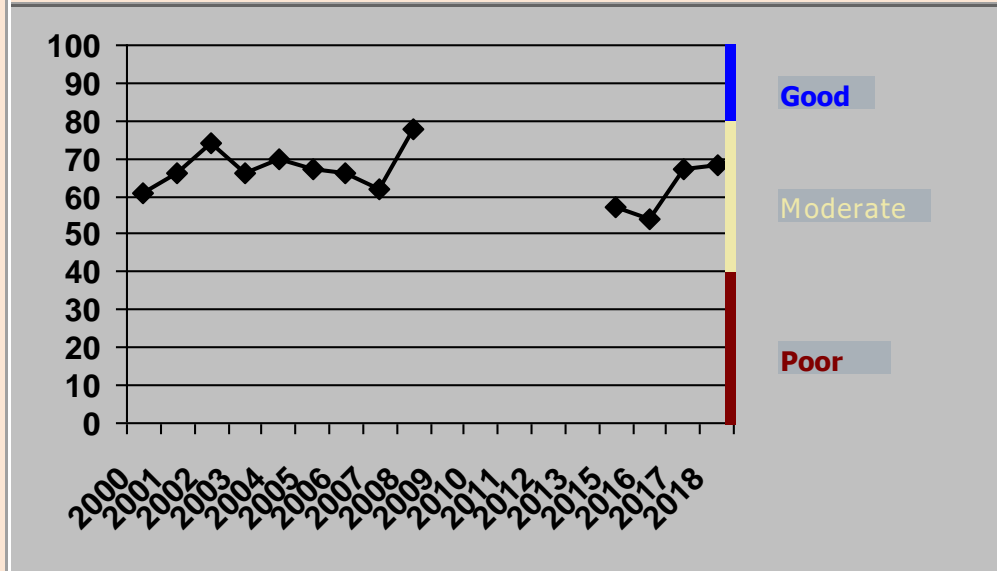
Water quality was MODERATE based on data collected 10/1/2017 to 9/30/2018.



Monthly Scores For Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
88	67	97	90	87	93	87	74	81	63	77	86

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>